

AWS re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

SEC 208

Executive security simulation

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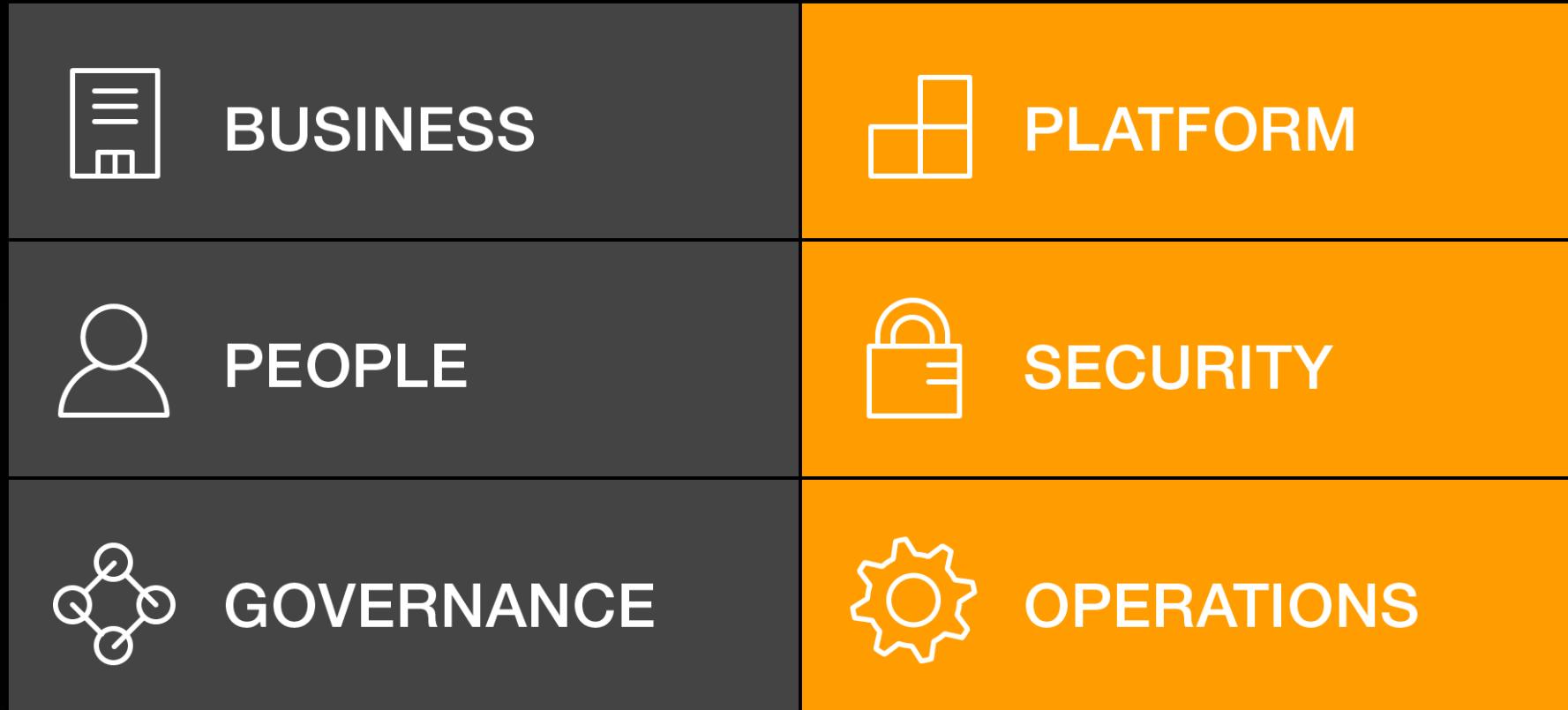


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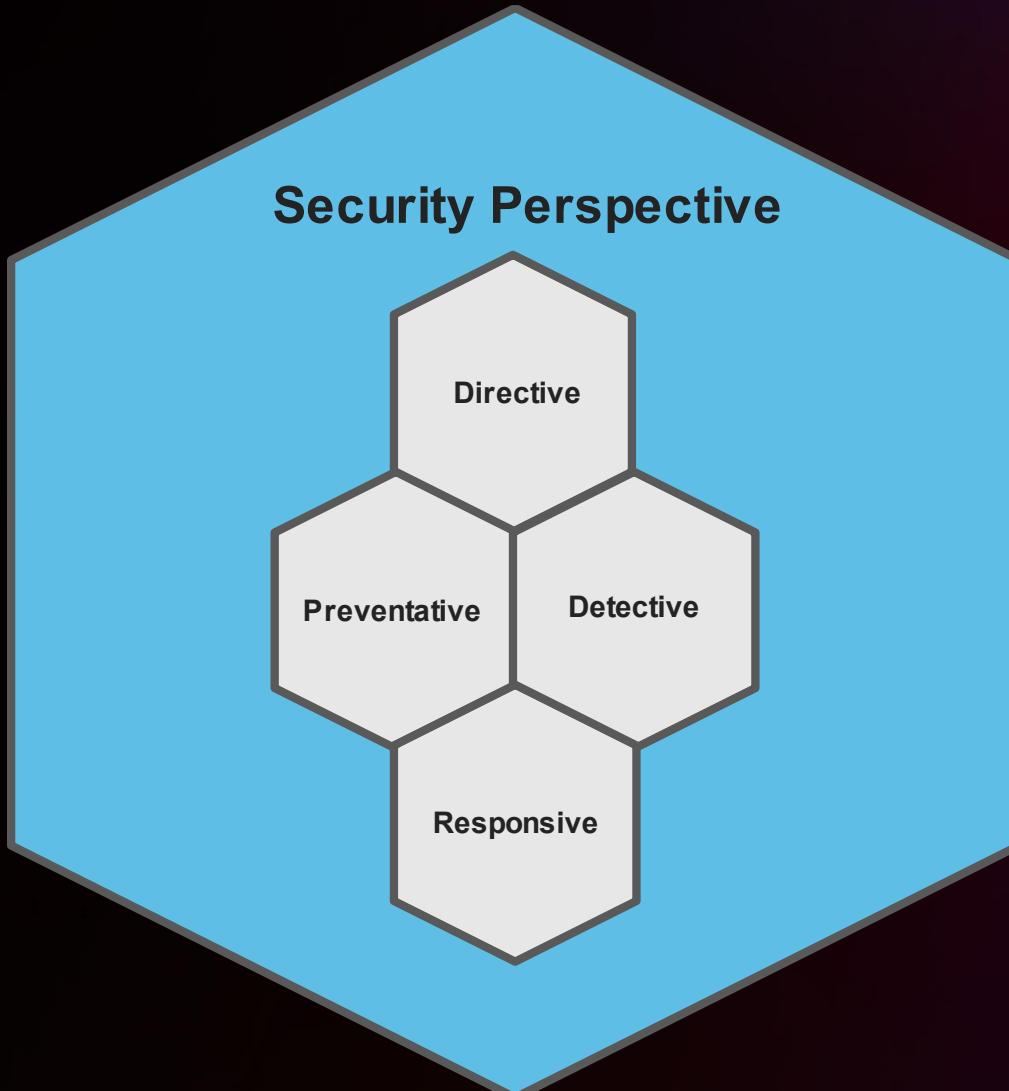
Agenda

4:00pm – 4:10pm	Welcome: Opening Note, Key Principles
4:10pm – 5:10pm	Simulation Round 1
5:10pm – 5:20pm	Simulation 1 Debrief
5:20pm – 6:05pm	Simulation Round 2
6:05pm – 6:15pm	Simulation 2 Debrief
6:15pm – 6:30pm	Secure Journey Key Points, Epics Program

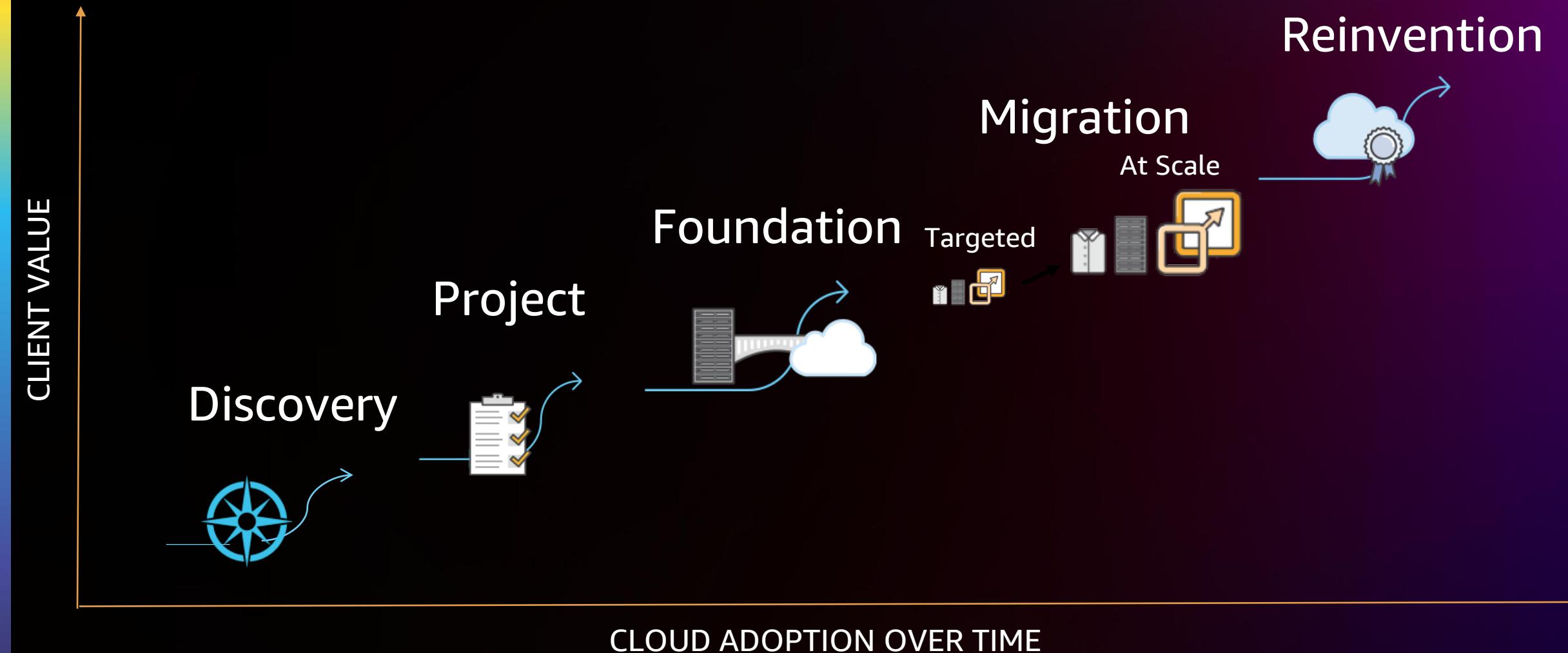
AWS Cloud Adoption Framework (AWS CAF)



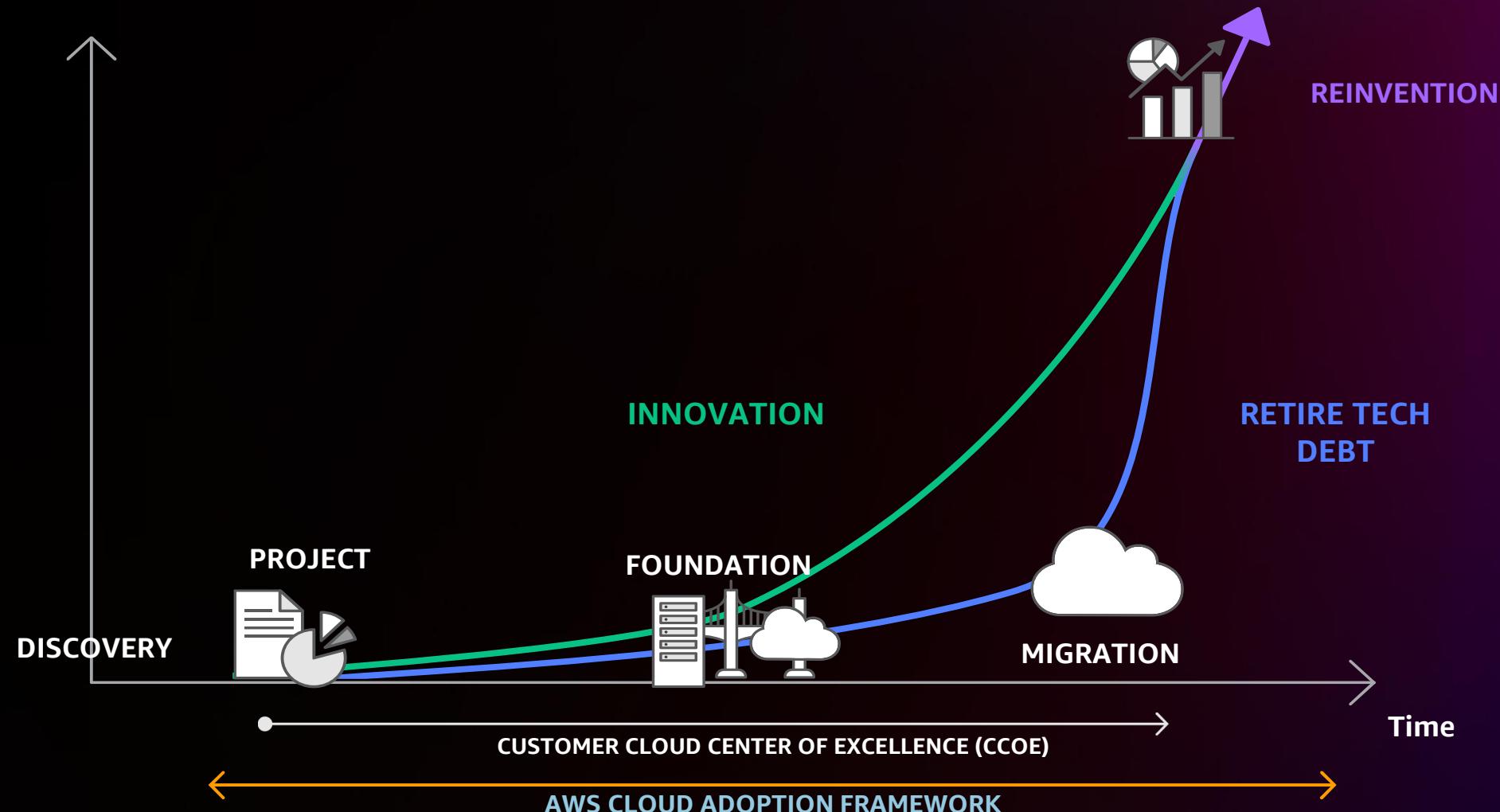
AWS CAF security perspective



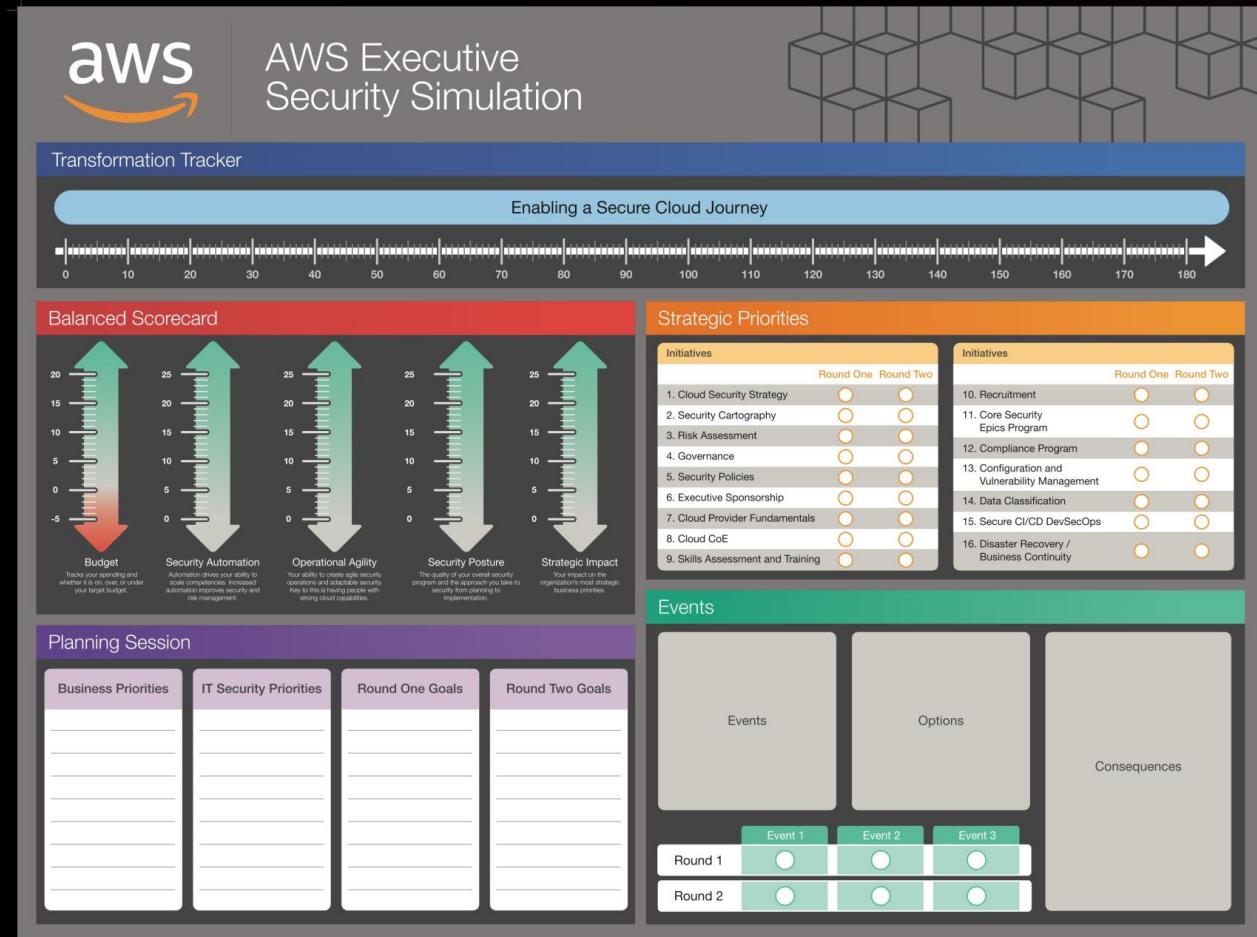
Enterprise stages of AWS adoption



AWS stages of cloud adoption



Experience what it takes to lead a secure cloud journey for your organization



- **A competitive, immersive experience**
- **For security leaders driving major change**
- **Impactful lessons and experience**

What to expect from the session



Experiential Workshop



Leadership Decision-Makers



Understanding Real Customer Experiences



A Competition



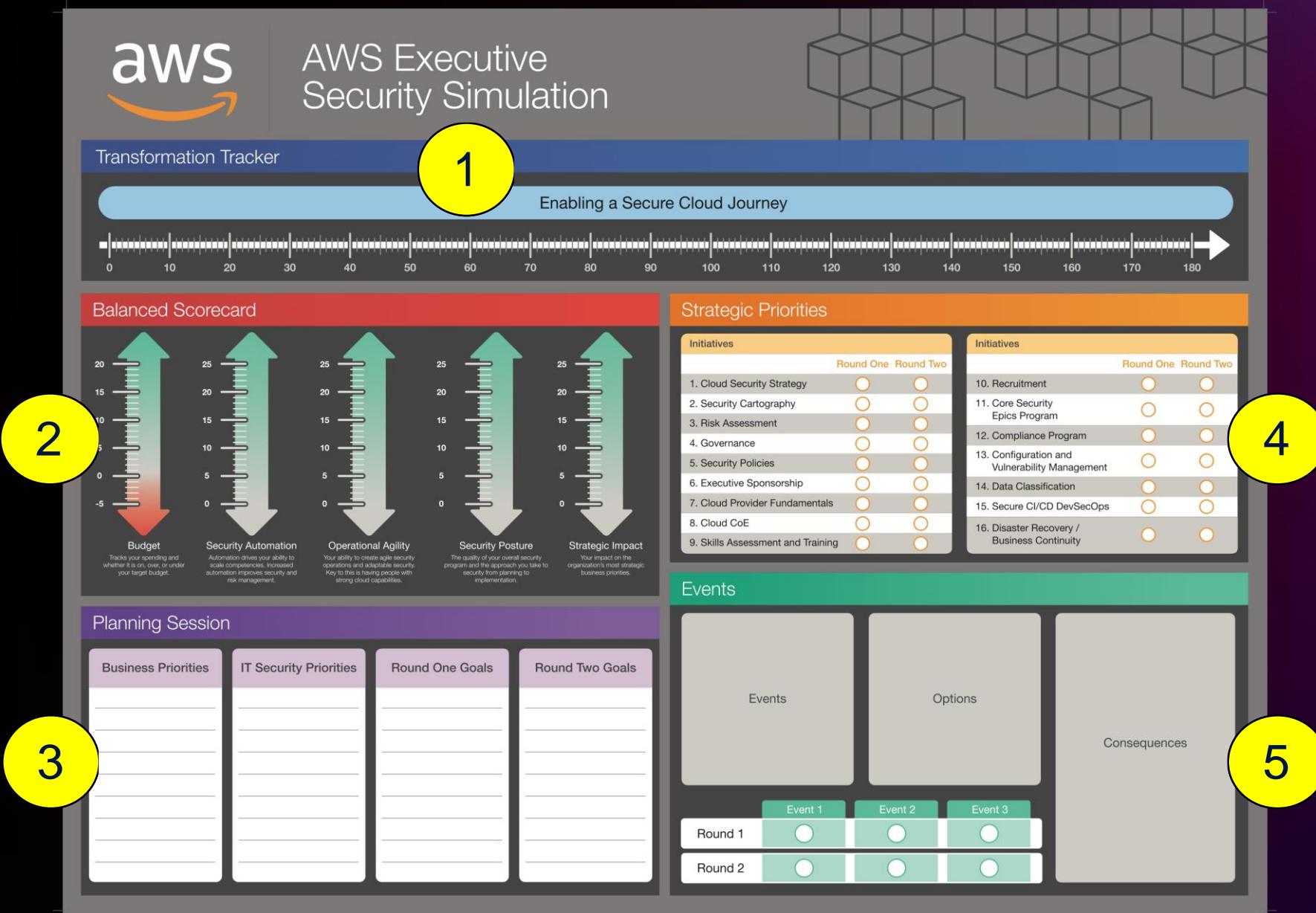
Goal: To Move up through Stages of Adoption

Striking a balance

Simplicity

Reality





Participant Guide

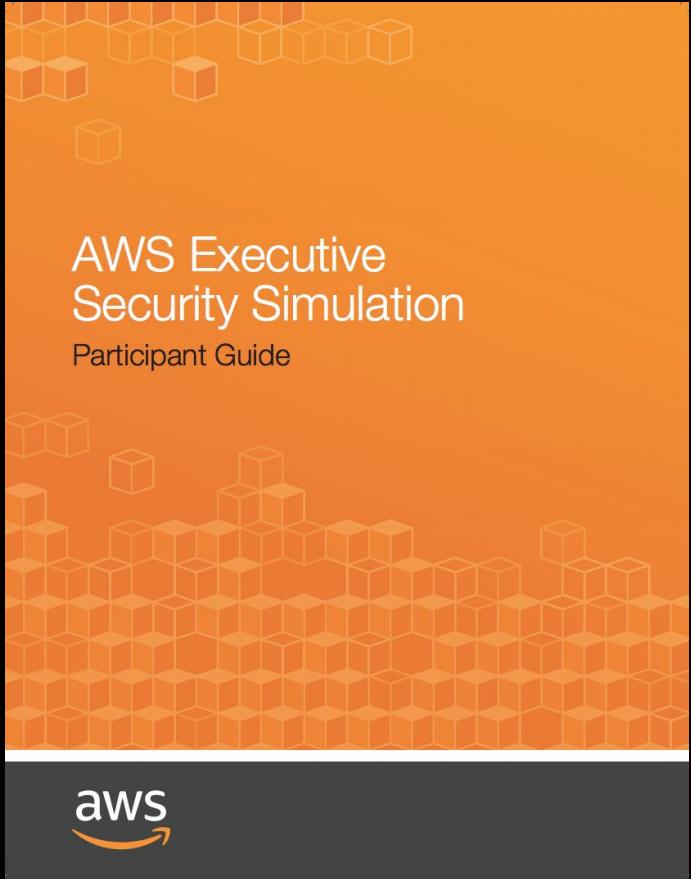
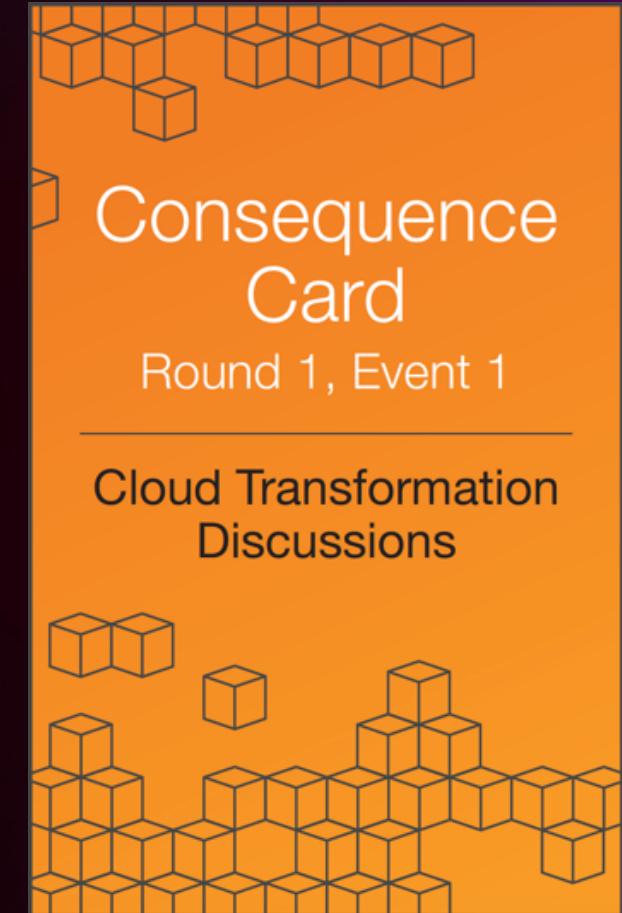


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AWS Executive Security Simulation: Participant Guide

Event, Option, and Consequence Cards



Simulation Round 1 — Go!

Round 1 Debrief

What did you learn in round 1
and take back to your company?

Year 1 debrief – Looking at all the events

Event Description	Choices	Consequence	Real-World Convo
<p>1. Cloud Transformation Discussions The CxO team is discussing overall customer service transformation</p>	<p>A. Understand strategy first: before determining who from security to bring to the table</p> <p>B. Train up dedicated security resources: include them early</p> <p>C. Make a big security move: B + expectations and team structures are setup with security in mind</p>	<ul style="list-style-type: none">- A is not enough- B is a good decision- C is a very good decision <p><i>“Security not being involved from the beginning creates more gaps. Too often, we see security teams not trying to be an enabler, and that hurting cloud adoption down the road”</i></p>	<ul style="list-style-type: none">• How involved is your security team early on in business initiatives?• Do you have dedicated security resources in your cloud transformation plans?
<p>2. Transition Speed Your CEO is publicly saying that she wants to transform “patient service”, including customer information (PII, PHI) – can you deliver?</p>	<p>How aggressively you transition?</p> <p>A. Joe Before Running – Start with low-risk workloads</p> <p>B. Sprint off the Starting Blocks – Propose a plan that matches CEO ambitions, including moving higher-risk workloads including PII</p>	<ul style="list-style-type: none">- A is good... but even with this, things can move much more quickly (flywheel)- B is higher risk, higher reward, only the better choice if you invested in executive buy-in	<ul style="list-style-type: none">• What level of executive-buy-in do you have? Who are your advocates? detractors?• Have you thought about how security policies (e.g. PII, encryption) need to be updated?
<p>3. The Regulatory Audit – Large-scale event at another hospital triggers regulatory scrutiny before you even get started</p>	<p>Diligently prepare for audit?</p> <p>A. Cover All Your Bases – gear your approach to satisfy auditors who don't have experience with the cloud</p> <p>B. Efficient, But Not Paranoid – show alignment with reg. requirements via automation.</p>	<ul style="list-style-type: none">- A is overkill- B is good enough – you are pleasantly surprised that they “get it” and you just need to show that you're proactively on top of things- Bonus for risk assessment or security cartography	<ul style="list-style-type: none">• How rigorous are regulatory standards in your industry?• What things are you proactively doing to mitigate regulatory/compliance risks?

Simulation Round 2 — Go!

Round 2 Debrief

What are your **lessons learned** from today's journey?

Round 2 Debrief

What are your top 3 Strategic Initiatives?

Strategic Priorities			
Initiatives	Round One		Round Two
1. Cloud Security Strategy	<input type="radio"/>	<input type="radio"/>	
2. Security Cartography	<input type="radio"/>	<input type="radio"/>	
3. Risk Assessment	<input type="radio"/>	<input type="radio"/>	
4. Governance	<input type="radio"/>	<input type="radio"/>	
5. Security Policies	<input type="radio"/>	<input type="radio"/>	
6. Executive Sponsorship	<input type="radio"/>	<input type="radio"/>	
7. Cloud Provider Fundamentals	<input type="radio"/>	<input type="radio"/>	
8. Cloud CoE	<input type="radio"/>	<input type="radio"/>	
9. Skills Assessment and Training	<input type="radio"/>	<input type="radio"/>	
Initiatives	Round One		Round Two
10. Recruitment	<input type="radio"/>	<input type="radio"/>	
11. Core Security Epics Program	<input type="radio"/>	<input type="radio"/>	
12. Compliance Program	<input type="radio"/>	<input type="radio"/>	
13. Configuration and Vulnerability Management	<input type="radio"/>	<input type="radio"/>	
14. Data Classification	<input type="radio"/>	<input type="radio"/>	
15. Secure CI/CD DevSecOps	<input type="radio"/>	<input type="radio"/>	
16. Disaster Recovery / Business Continuity	<input type="radio"/>	<input type="radio"/>	

Year 2 Debrief – Looking at all the Events

Event Description	Choices	Consequence	Real-World Convos
<p>1. The Budget Crunch – How to address cloud security under tight timelines and budgets</p>	<p>What do you do with security automation?</p> <p>A. Hire rock star talent to build world-class security automation</p> <p>B. Leverage largely internal talent, while hiring a few outside SMEs to strengthen security teams</p> <p>C. Outsource the major security development</p>	<ul style="list-style-type: none"> - A is an overkill - B is good enough, ideal - C slows things down in the long-term <p><i>Security is not something you “buy”. It’s a process you insert into whatever you’re doing.</i></p>	<ul style="list-style-type: none"> • Do you believe you can build sufficient security automation in-house? • Do you give your cloud-based security development efforts the appropriate time, resources, and structure?
<p>2. The Incident – Huge security event is imminent. How do you plan your response to the CEO, who wants answers, NOW?</p>	<p>What do you tell the CEO?</p> <p>A. Remain Calm and Confident because you feel you’ve done everything in your power to protect it and confident in API-based security</p> <p>B. Deliver a Cautious Message because you aren’t confident that your decisions have prepared you for this type of incident</p>	<ul style="list-style-type: none"> • A is the right choice as long as you invested in the Core Security Epics Program • B is the right choice if you didn’t have the foresight to invest in Core Security Epics 	<ul style="list-style-type: none"> • How prepared are you for a worst-case scenario? Have you implemented the core security epics?
<p>3. Partnering to Win – using cloud to deliver virtual connectivity across all of Globo’s campuses</p>	<p>Which stance do you take on this?</p> <p>A. Take a safe stance – Look for success cases before diving in</p> <p>B. Lean into a bold strategy – You know how to implement cloud security and align with regulations (e.g. HIPAA)</p>	<ul style="list-style-type: none"> - A is safer... especially if you didn’t get the right governance in place - B is better overall, even if it feels uncertain - Major bonus for investing in Governance 	<ul style="list-style-type: none"> • Does your organization have the right governance in place? • What other things do you need to do before supporting transformational cloud-based efforts?

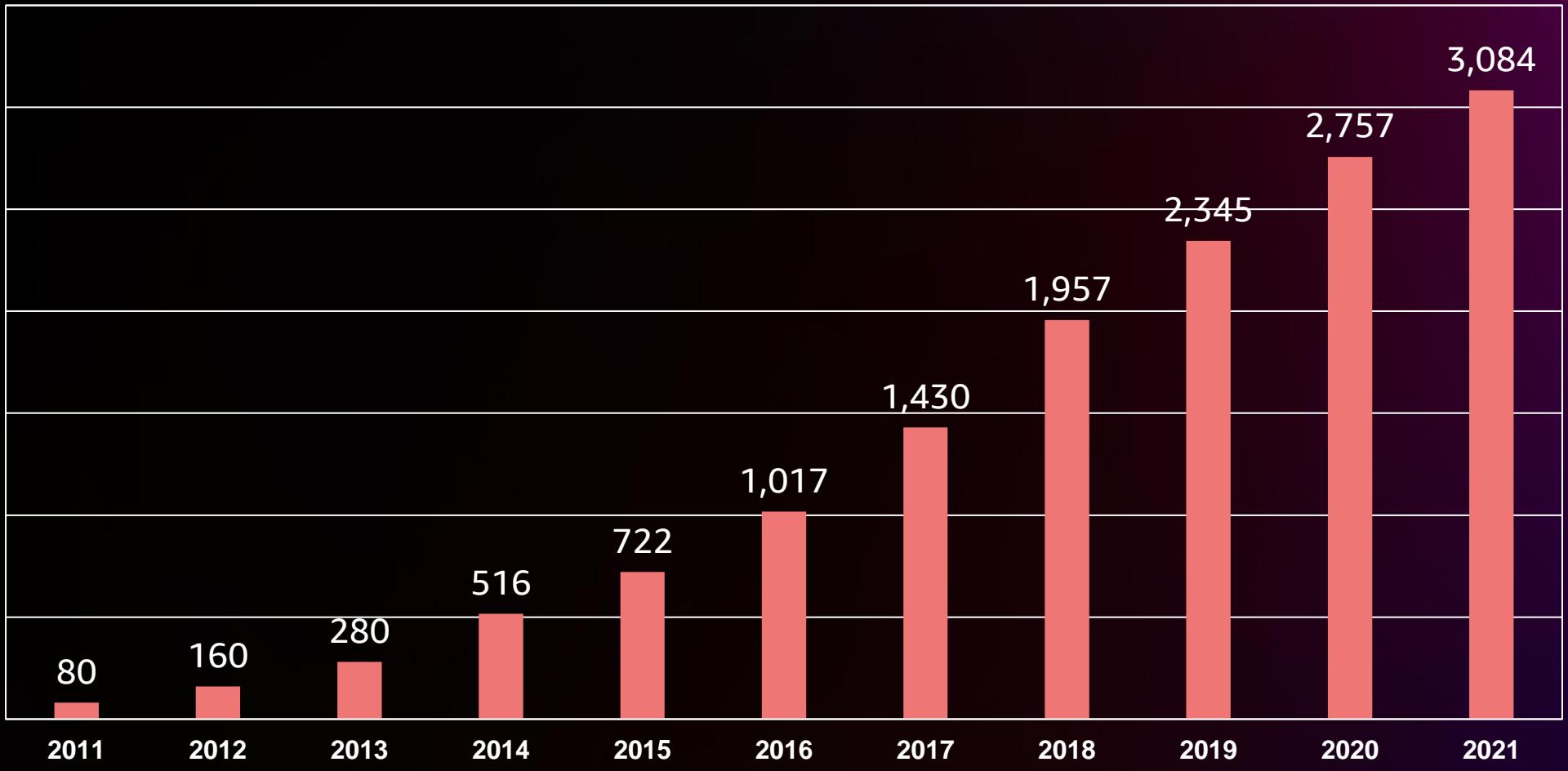
AWS pace of innovation



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AWS pace of innovation

Services and Features Released



AWS Security Team

Operations

Engineering

Application Security

Aligned for agility

Security ownership as part of DNA



Distributed



Embedded

Move Fast

AND

Stay Secure

AWS Security Epics





*Getting to cloud is a journey.
Your journey will be unique.*

Thank you!

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